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International Application No.	•	101

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Priority Date(s) Claimed : 16 April 2002 (16.04.2002)

Applicant(s) (DO/EO/US) : Nikolai IGNATYEV et al.

Title: PROCESS FOR THE PREPARATION OF MONOHYDROPERFLUOROALKANES, BIS (PERFLUOROALKYL) PHOSPHINATES AND PERFLUOROALKYLPHOSPHONATES

# INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.56, 1.97 and 1.98

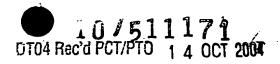
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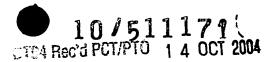
This information disclosure statement is made in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98 as follows:

### Timing and Fees

<ul> <li>□ within three months of the filing date of a national application other than a CPA under § 1.53(d);</li> <li>□ within three months of the actual filing date of the national phase of a PCT application; OR</li> <li>□ before the mailing of a first substantive office action (including after filing of an RCE).</li> <li>□ Under 37 C.F.R. § 1.97(c), this information disclosure statement is filed after the periods specified in 37 C.F.R. § 1.97(b), but before the mailing date of:</li> <li>□ a final rejection under 37 C.F.R. 1.113;</li> <li>□ termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2); OR</li> </ul>	$\boxtimes$	Under 37 C.F.R. § 1.97(b), no fee or statement is required for filing this information disclosure statement is filed:		
application; OR  □ before the mailing of a first substantive office action (including after filing of an RCE).  Under 37 C.F.R. § 1.97(c), this information disclosure statement is filed after the periods specified in 37 C.F.R. § 1.97(b), but before the mailing date of:  □ a final rejection under 37 C.F.R. 1.113;  □ termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2);				
RCE).  Under 37 C.F.R. § 1.97(c), this information disclosure statement is filed after the periods specified in 37 C.F.R. § 1.97(b), but before the mailing date of:  a final rejection under 37 C.F.R. 1.113;  termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2);				
specified in 37 C.F.R. § 1.97(b), but before the mailing date of:  a final rejection under 37 C.F.R. 1.113;  termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2);				•
termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2);		Under specif	37 C.F. ied in 3	R. § 1.97(c), this information disclosure statement is filed after the periods 7 C.F.R. § 1.97(b), but before the mailing date of:
				a final rejection under 37 C.F.R. 1.113;
				termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2); OR



	is		a notice of allowance under 37 C.F.R. § 1.311; and mpanied by:
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			a check covering the fee of \$180.00 under 37 C.F.R. § 1.17(p).
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A	AND is	filed o	on or before payment of the issue fee; AND is accompanied by:
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Stateme	nts Unc	ler 37_	C.F.R. 1.97(e)
			Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application having a mailing date not more than three months prior to the filing date of this information disclosure statement; or
			No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned attorney after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing date of the information disclosure statement.
Cited M	<u>[aterial</u>	<u>s</u>	
	<u> </u>	ances	s of materials listed but not attached were cited in benefit (35 U.S.C. § 120) tor application Serial No, on Form 892 by the Examiner and/or Form by the applicant; see 37 C.F.R. § 1.98(d).
	$\boxtimes$		es of materials listed but not attached were cited in an international search dated <u>July 21, 2003</u> .
		Copie	es of the materials listed are attached (except for the foregoing).



#### Non-English Language References

An English-language search report or equivalent paper from a foreign patent
office is provided indicating the relevance of the cited reference(s).

- A foreign-language search report from a foreign patent office is provided, and pertinent parts are translated substantively below:
  - X = document of particular relevance when it is taken alone
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  - A = document defining the general state of the art
  - O = non-written disclosure
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In the search report, "Seite" means page, "Seiten" means pages, "Verbindungen der Formel" means Figure of formula, "Beispele" means examples, and "das ganze Dokument" means the entire document, "Spalte" means column, "Zeile" means line, "Abbildungen" means claims, "Anspruch" means example, "Zusammenfassung" means summary, and "Tabelle" means table, and "Tabellen" means tables "in der Anmeldung erwaehnt" means cited in the application, "Schema" means scheme, "und" means and, "Absatz" means break, "Abildung" means figure.

#### Other Information

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Respectfully submitted,

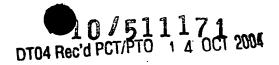
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Attorney Docket No.: MERCK-2933

Date: October 14, 2004

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IIIIIais		KOVALEVA T.V. ET AL.: "PERFLUOROALKYLPHOSPHONIC ACIDS AND THEIR DERIVATIVES" JOURNAL OF GENERAL CHEMISTRY USSR., Bd. 59, Nr. 11, 04-20-1990, pages 2245-2248	,
	002	PAVLENKO N.V. ET AL.: "ESTERS OF BIS (PERFLUOROALKYL) PHOSPHINIC ACIDS" JOURNAL OF GENERAL CHEMISTRY USSR., Bd. 59, Nr. 3, 08-20-1989, pages 474-476	
	003	MAHMOOD T ET AL.: "NEW PERFLUOROALKYLPHOSPHONIC AND BIS (PERFLUOROALKYL) PHOSPHINIC ACIDS AND THEIR PRECURSORS" INORGANIC CHEMISTRY, AMERCIAN CHEMICAL SOCIETY, Bd. 25, Nr. 18, 1986, pages 3128-3131	
	004	GOSLING, K. ET AL: "PREPARATION AND HYDROLYSIS OF TERTIARY ALKYL (PERFLUOROALKYL) PHOSPHINES" JOURNAL OF THE CHEMICAL SOCIETY 'SECTION! A: INORGANIC, PHYSICAL, THEORETICAL 1968, page 1914	
	005	HASZELDINE R.N.: "REACTIONS OF FLUOROCARBON RADICALS. PART XII." JOURNAL OF THE CHEMICAL SOCIETY., 1953, pages 3761-3768	
	006	BERGMAN E.: "DECARBETHOXYLATION OF PERFLUOROACID ESTERS" JOURNAL OF ORGANIC CHEMISTRY., Bd. 23, Nr. 3, 1958, pages 476-477	
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